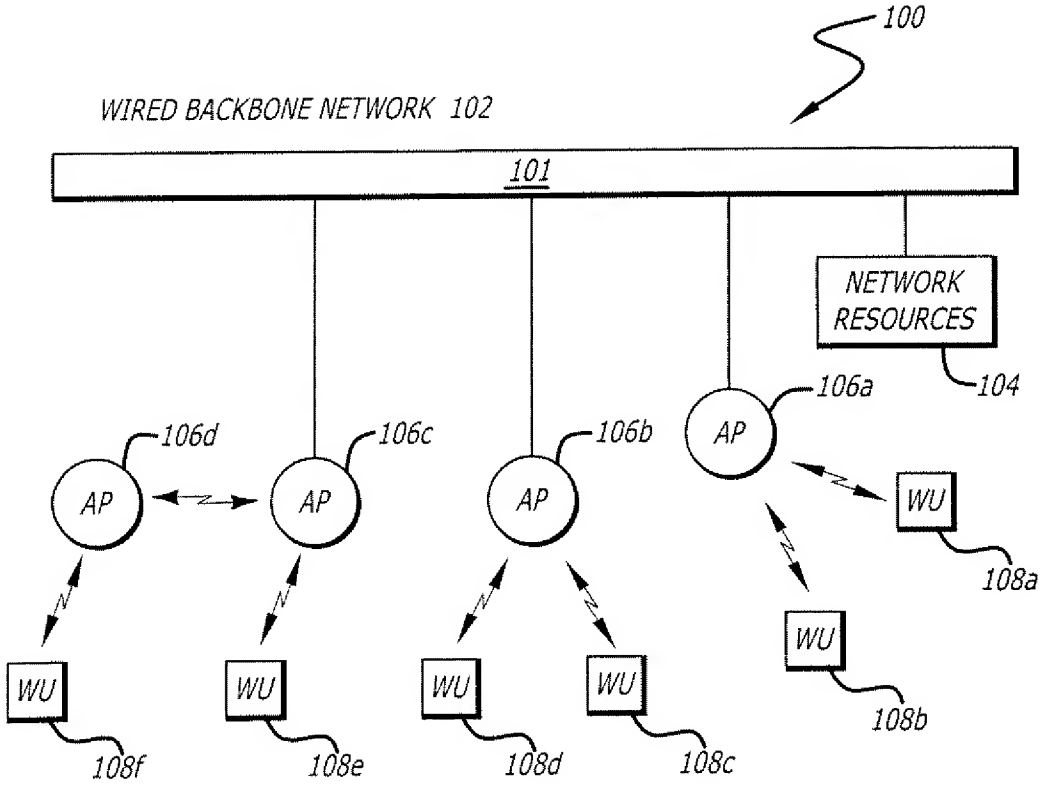

100
WIRED BACKBONE NETWORK 102
101
NETWORK RESOURCES
104
106a
106b
106c
106d
AP
AP
AP
AP
WU
108a
WU
108b
WU
108c
WU
108d
WU
108e
WU
108f

FIG. 1

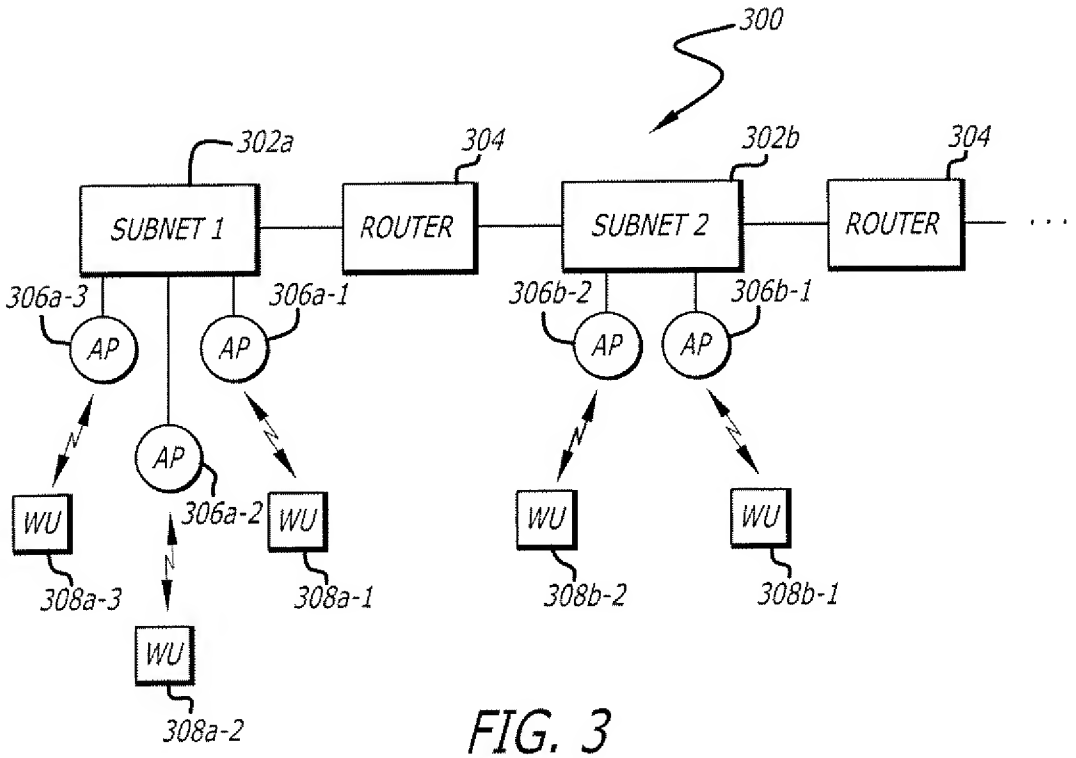

300
302a
304
302b
304
SUBNET 1
ROUTER
SUBNET 2
ROUTER
306a-3
306a-1
306b-2
306b-1
AP
AP
AP
AP
AP
WU
308a-3
WU
308a-1
WU
308a-2
WU
308b-2
WU
308b-1

FIG. 3

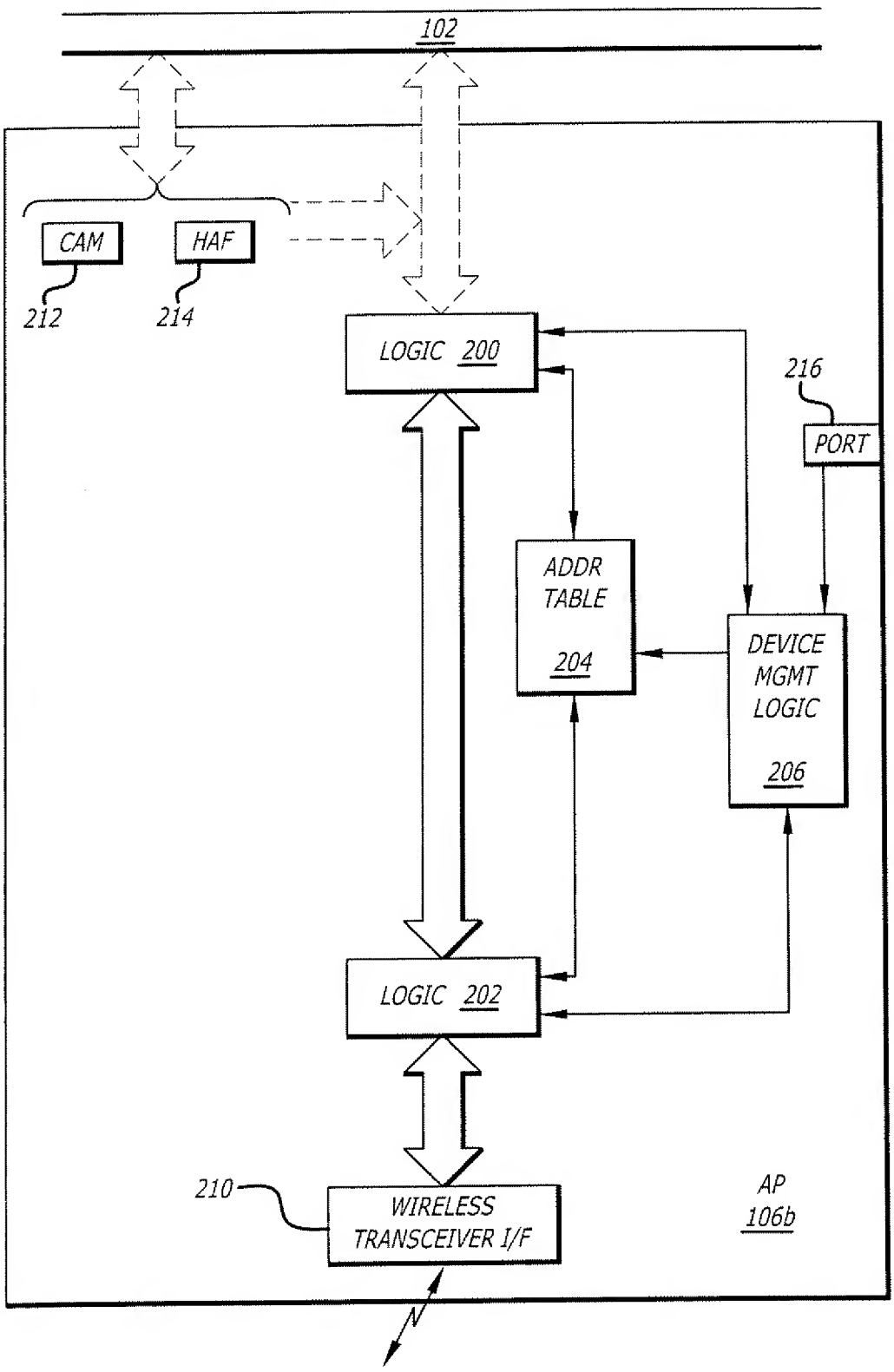
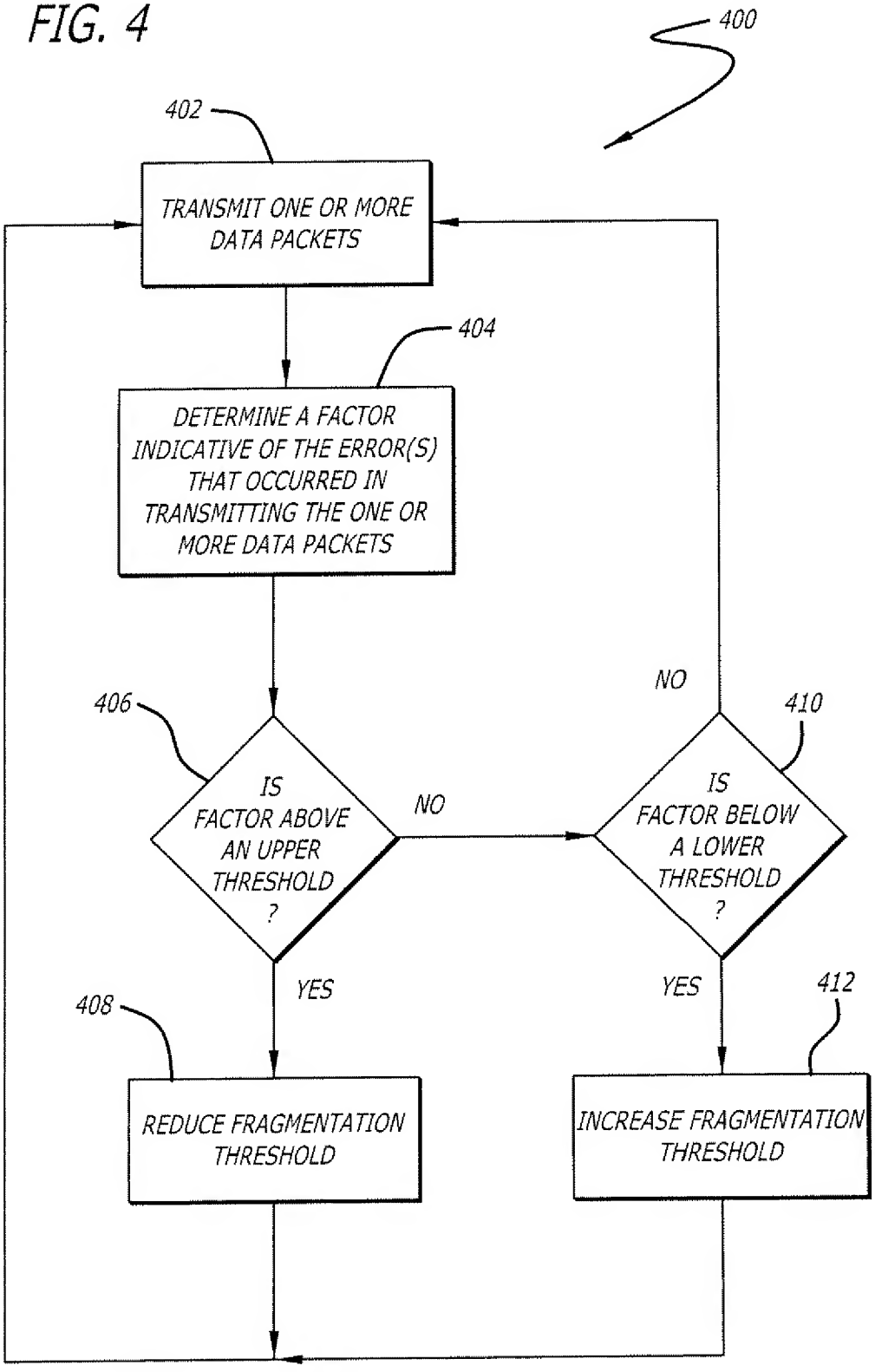

102
CAM
HAF
212
214
LOGIC 200
216
PORT
ADDR TABLE 204
DEVICE MGMT LOGIC 206
LOGIC 202
210
WIRELESS TRANSCEIVER I/F
AP 106b
N

FIG. 2

FIG. 4


400
402
TRANSMIT ONE OR MORE DATA PACKETS
404
DETERMINE A FACTOR INDICATIVE OF THE ERROR(S) THAT OCCURRED IN TRANSMITTING THE ONE OR MORE DATA PACKETS
406
IS FACTOR ABOVE AN UPPER THRESHOLD ?
NO
410
IS FACTOR BELOW A LOWER THRESHOLD ?
NO
YES
408
REDUCE FRAGMENTATION THRESHOLD
YES
412
INCREASE FRAGMENTATION THRESHOLD

DIVISIONAL FACTOR	DATA RATE M BY TESTS	TIME LINE
1	11	DATA 1500 BYTES 136 µS ACK
2	11	DATA 750 BYTES 68 µS ACK DATA 750 BYTES 68 µS ACK
2	5.5	DATA 750 BYTES 136 µS ACK
4	5.5	DATA 375 BYTES 68 µS ACK DATA 375 BYTES 68 µS ACK

FIG. 5

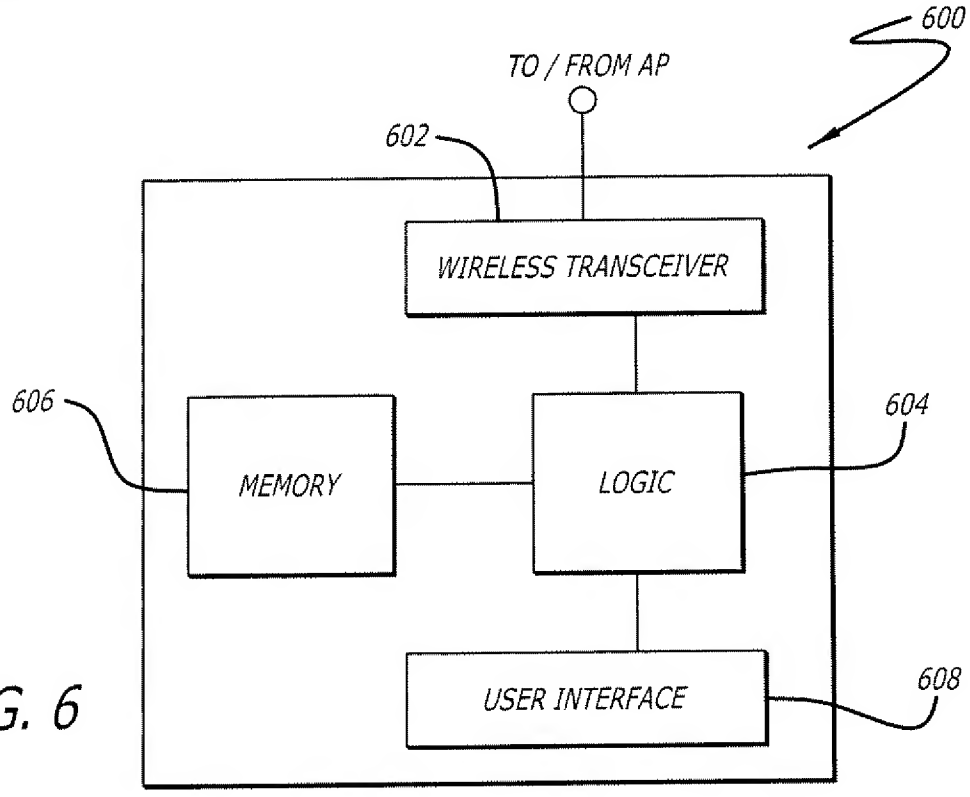


FIG. 6